

EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
106.8 S.F.	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 197, (LEFT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 197, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "WEST, MARYLAND 197, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, US 301, (RIGHT ARROW)", 30" x 51", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "SOUTH, US 301, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE
	1 EACH	ASSOCIATED SHIELD ASSEMBLY SIGN, "NORTH, US 301, (LEFT ARROW)", 48" x 75", POLE MOUNTED HARDWARE

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

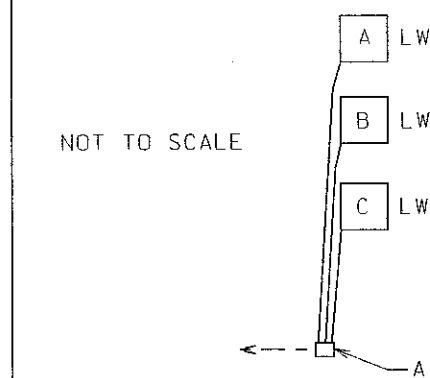
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
8019	1 EACH	REMOVE AND DISPOSE OF EXISTING EQUIPMENT PER ASSIGNMENT
8043	10 L.F.	F & I 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8055	106.8 S.F.	INSTALL OVERHEAD SIGN
8082	475 L.F.	F & I LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)
8087	150 L.F.	F & I SAWCUT FOR SIGNAL (LOOP DETECTOR)

C. EQUIPMENT TO BE REMOVED AND RETURNED TO THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
		ALL REMOVED SIGNAL MATERIALS ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.

WIRING DIAGRAM

A-C = USE THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE
LW = LOOP WIRE



PROJECT CONTACTS

THE PROJECT CONTACTS ARE AS FOLLOWS:

MR. MAJID SHAKIB
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (301) 513-7358

MR. WAYNE MONDY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (301) 513-7304

MR. AUGIE REBISH
ASSISTANT DISTRICT ENGINEER - UTILITIES
PHONE: (301) 513-7350

MR. ROBERT GONZALES
MONTGOMERY COUNTY TRAFFIC
PHONE: (240) 777-8761

MR. RICHARD DAEF
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC
OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: (410) 787-7652

UTILITY LEGEND

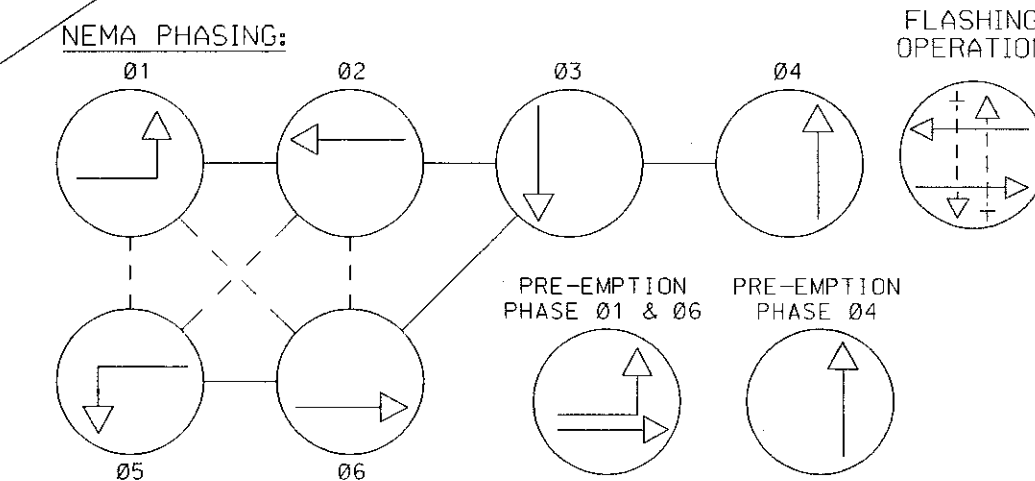
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
D	STORM DRAIN

CONSTRUCTION DETAILS

- A. INSTALL THE PROPOSED 6' x 6' LOOP DETECTOR (4 TURNS). DISCONNECT THE EXISTING LOOP DETECTORS.
B. INSTALL THE PROPOSED 1" LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
C. USE THE EXISTING HANDHOLE AND THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLES.
D. INSTALL THE PROPOSED SIGN ON THE EXISTING MAST ARM POLE.

PHASE CHART

THERE IS NO CHANGE IN THE PHSE CHART.



NEMA NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

NOTES TO THE CONTRACTOR

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
2. ALL UNUSED CABLES SHALL BE REMOVED FROM THE EXISTING CONDUITS AND OVERHEAD SPAN WIRE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF THESE EXISTING UNUSED CABLES UNDER THE "B" LIST (ITEM #805).
3. FOR REPLACING EXISTING LOOP DETECTORS, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE SPLICE KITS FROM THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE TO THE PROPOSED LOOP WIRE AT THE EXISTING HANDHOLE. THERE WILL BE NO CHARGE TO THE STATE OF MARYLAND FOR THIS PART OF THE PROJECT BY THE CONTRACTOR.

REVISIONS	APPROVALS
CHART: P043A55/005 TCD #: AT357-17	
[H] 12/2003 - REPLACED DAMAGED US 301 5/8" SAMPLING LOOPS & INSTALL ASSOC. SHIELD ASSEMBLY SIGNS: SHA NO. AT357-185	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
[M] 1/2004 - [REDACTED]	
[G] 02/2000 - INSTALL OPTICOM DETECTOR EYE ON S/B US 301 AND E/B MD 197:	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
SHA NO. [REDACTED]	
[REDACTED] 03/1995 - AS BUILT: INSTALL SAMPLING DETECTORS:	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
SHA NO. [REDACTED]	
[REDACTED] 02/2000 - [REDACTED]	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION			
Office of Traffic & Safety			
TRAFFIC ENGINEERING DESIGN DIVISION			
US 301 and MD 197 (Collington Road)			
BOWIE, MARYLAND			
DRAWN BY: SPP	F.A.P. NO. AC-STPG-0005(683)E	T.S. NO.	SHEET NO.
CHECKED BY: Jm.w.cj	S.H.A. NO. XX1005185	TS-355 H	
SCALE: 1" = 20'	COUNTY: PRINCE GEORGE'S	T.I.M.S. NO.	
DATE: 02/21/2000	LOG MILE 16030123.15	F936	1 OF 1